FROM CHITTENANGO SPRINGS.

CHITTENANGO SPRINGS, N. Y., Aug. 12.

I have not forgotten my promise; but really it is se comfertable to sit here in the rocking chair, in em good hotel, or hunt and fish in the brooks and lakes sround, with our country cousins, worth sen times more than our city ence, and read the merning TRIBUNE every evening, that I searcely can think of writing. But a brief passage from my journal must suffice.

There are two fine sulphur springs; the water is cool and not unpleasant to the taste. A botel with excellent accommodations, and several private sammer houser for families. render the place com-fertable. The situation is in a beautiful valley, with hile, covered to the top with hunting groves and a splendid trout steam running by our very Our friend, Gerrit Smith, came over het week and took seventy-six splendid fellows from the stream. He understands trout nature better than he does human nature. For this very term and ne does agman sature. For this very term and county, which rolled up splendld majorities for him for Congress, now will hardly deposit one vete for him fer Governor. I have not seen one man that expects to give him his vote. And yet, strange as it may seem, he has the universal esteem of the people for his noble impulses, his generous sympathies for human rights. Pardon this digres--I was going to tell you that the hotel at the Springs is full; and as pleasant a company as Saratoga, Long Branch or Newport can boast, is here

THE TRIBUNE, I find, is the favorite paper here. Ite readers are among the most substantial citizens

The Atlantic cable triumph has made even Chit-tenango wild with delight. It has been decided by general consent to unite with all the rest of the world in celebrating this great event in Time's hisof the place. tory, in a becoming manner. We are getting out the big gun; the firemen are trimming up their torches for a flaming procession, and our orators are to be brought up to the magnetic point of elo-quence. Just the moment we get the word from you—"All ready"—the bells will ring and the people will unite in the general demonstration by which ought to gladden the hearts of all men. in the general demonstration of

PEARL FISHING IN KANSAS.

Correspondence of The N. Y. Tribune.

TOPEKA, K. T., Aug. 4, 1858. There has been quite an excitement here of late in consequence of the recent discovery of pearls in the conthwestern part of this Territory. The circumstances leading to the discovery were as follows: A company consisting of Mr. Ferry, myself and others from this place, went to Towards (a newly located town situated on the Whitewater, about 120 miles southwest from here,) for the purpose of erecting some new buildings. While there we received a visit from a gentleman, formerly from New-Jersey, who stated that the muscle shells found in the Whitewater bore a striking resem blacce to those found in New-Jersey containing pearls. This led to an examination.

A hundred shells were soon opened, which yielded eight beautiful pearls. The result of the investigation being announced, the Towardaans immediately sus pended business in town and directed their attention to pearl-hunting.

A company of nine men secured in two weeks, three thousand seven hundred and fifty pearls, varying in size from a small pir-head to that of a large pea.

The eard in which the muscles are imbedded peculiarly clear and brilliant. The stream is a tributary of the Arkanese and is being searched from source to mouth. The largest numbers have been found at Towards, which is 60 miles from the junction. A large company are preparing to leave this place

and engage in the new business, which opens another source of wealth to Kansas. P. S .- I inclose a few of the smallest pearls as a sample of the quality. T. C. M.

PENNSYLVANIA STATE TEACHERS ASSOCIATION.

THIRD DAY.

SCRANTON, Pa., Aug. 12, 1858. The Hall is well filled this morning, not withstanding

the wet weather. An effort was made to introduce again for discussion the power of County Superintendente to annul certificates, in which, from local causes, many teachers present feel very strongly, but was cut off by a motion to lay on the table. The most important work of the morning was a series of resolutions for favor of Mr. Morrill's bull for granting public lands to State Agricultural Universities, and the appointment of a Committee to memorialize Congress in its ment of a Committee to memorishize Congress in its favor. Much enthaniasm was manifested on this subject. An hour was occupied by details of business, and then addresses were offered by Mr. C. T. Lewis of Chester and Mr. Dean of Delaware, on the call of the

At the invitation of the Board of Directors of the At the invitation of the Board, the Association heighboring village of Hyde Park, the Association held its afternoon session in their new school building as its dedication. Hyde Park is on the opposite bank aeld its afternoon session in their new school building as its dedication. Hyde Park is on the opposite bank of the romantic little river Lackawanna, and on very high ground, overlooking all the beautiful valley in which Scranton lies. A view of rare beauty presents itself at each window of this bandeome school-house. The building was crowded in every part, and the Directors had made no provision for accommodating representatives of the press; so that I became impatient of heat, crowding and tedious waiting, and left the premises for the shady grove that fringes the Lackawanna, to recruit energy for the evening ession. The extreme heat, which has been more oppressive this week than in any previous part of the season, has taken much from the vigor and interest of the meeting.

In the evening, Mr. Wynkoop of the "People's College" in Havana, N. Y., was introduced, and gave some account of that institution and its history, which, however, is already familiar to the readers of THE TRIBUNE. The corner-stone of the principal building is to be laid on the 2d of next month, and a general critical was extended to those present to attend. nvitation was extended to those present to attend. Several pleasant and brief addresses followed, much Amusing anecdotes and hearty expressions of feeling silled the time, with occasional intervals for the awest music of the High School choir. A laify from Wayne County read an essay at a late hour on "The Sunny "Side of Teacher's Life." It was rather in boarding—they stay full for compren place, but was a well "Side of Teacher's Life." It was rather in boarding-school style, full of common place, but was so well read as to be received with much favor. L. W. Moedie, Commissioner of Broome County, N. Y., then appeared in behalf of the delegation from the New-York State Association. He showed the superiority of the Pennsylvania system over that of New-York in respect to local officers. H. C. Hickok, State Supermendent, explained eloquently some of the most efficient features of this system. He is a speaker of creat force and large resources, as well as an excelgreat force and large resources, as well as an excel-tent administrator of the laws. To him more than any other man is the rapid growth of educational spirit

This evening's meeting was the most genial and useful of the session. As a whole, the meeting has useful of the section. As a whole, the meeting has been a success; but the Association is behind that of New York in numbers and intelligence.

REPUBLICAN CONVENTIONS IN ERIE

COUNTY.

Correspondence of The N. Y. Tribune.

BUFFALO, Aug. 14, 1818. The Ist and Hid Assembly District Conventions for this county have this day held their Conventions for the purpose of sending Delegates to the State Convention, to be held at Syramuse on the 8th of next mouth. The 1st District elected the Hon. E. G. SPAULDING and JOSEPH STRINGHAM as Delegates; alternates, H. P. THAYER and P. H. BENDER. The Hd District elected the Hon. BENJ. WELCH, jr., and JOHN L. TAL-COTT, esq., Delegates; alternates, F. P. STEVENS and J. G. Hoyr. These men are all of them true and ralisble Republicans, and have been selected by their Coqventions (unanimously) for their known opposition alike to secret cliques and corrupt politiciaus. F.

How THEY ACT IN ST. PAUL .- The members of the Minnesota Legislature indulge in the delightful practice of smoking during the business hours of the Legislature, and The St. Paul Tonce pronounces it undignified and unbecoming, and thinks there was a resolution passed at a prior session in which the language need proxecutes the practice ungentlemanly.

MEXICO.

By the Havens steamer of the 9th tel. we have repelved news from the City of Mexico to July 21, and from Vers Craz to the 27th.

On the 10th of July a new Government was proclaimed in the City of Mexico, compresed of the folioring:

The Prensa de la Habana saye that on the 14th of July the new Ministry possed a law against opespirators, mentioning those who should be considered se such, and defining the punishment, which will be from the to ten years' improvement and batterment, ac-ording to the culpability of the convicted party. A decree was also passed, in which it is declared that the large number of arms in the hands of all classes of persons has great detriment to the public welfare. Another law enjoins the establishment and organiza-

Another law evicine the establishment and organiza-tion of defensive operations in town and country, and recommends proprietors and others to give their aid for their own and the common good.

According to a letter, dated from the capital on the 1th of July, and inserted in the Program of Vera Cruz, it appears that the troops of Ecneagaray, Ga-lindo and Parra are assembled there in the fear that an

order by the forces of Col. Zuazus tock possession of the important town of San Luis Potosi. Generals Miramon, Mejis, Marquey and Parra have

Generals Miramon, Mejia, Marquey and Parra have been directed to march against it.

Immediately after the taking of San Luis Potosi, Col. Zeazua issued a decree banishing the Bisnop of that diocese and thirty priests. The complaint against these clergymen seems to be that they, during the action of San Luis, were very soutive, under the lead of their Bishop, Barsias, in encouraging the reactionist forces in the city to resist the entrance of Zeazua's troops, taking the field in person and distributing "sanctified" medals to the soldiery—thus pretending to make God bless their blows, and, in case they fell, giving them a passport to heaven.

On the 15th Gen. Alstrists took Puspan, capturing tuncerous arms, including two cannon, and making the garrisen prisoners.

the garrisen prisoners.

It is said that on the 2d, in the Pass of Atenquique,

the garrisen prisoners.

It is said that on the 2d, in the Pass of Atenquique, a battle was fought between the troops of Miramon and those of Don Santas Degollade. The former say that, after six heurs fighting, the enemy left on the field of battle E2 dead and many more wounded, with a quantity of baggage and ammunition. The Progress, on the other rand, says that this pretended victory was a most disastrons rout, that Miramon left more than 200 dead on the field, that 1,000 of his men were wounded, and that the remainder of his army, disorgarized and dispersed, field toward Gausaljara. Gen. Parra, ex-Minuster of War, had been appointed Commander General of the Department of Gausajusto, and of a new division of the Army called the Center, composed of the forces of that State and those of Michason, Queretaro and Jalisco, combined with the division of the North, under the command of Gen. Miremon.

The Governor of Vera Cruz had received official information that the forces of Esbeagaray, which were to sail from Jahps, in the neighborhood of Perote, for the coast of Barlovento, were detained at the Pass called "Maria de la Torre," and lost there forty men; called "Maria de la Forre," and lost there forty men; that their infantry and artillery were compelled to fall back upon "Paco de Novillon," and their cavalry upon Plapacoyan, where they were surrounded by a large body of Constitutionalists, composed of the Na-tional Guard of the Cantons of Musanis and Papaetla, and about 200 veterans belonging to the garrison of the vetters of Parotic.

tortrees of Perote.

The Brownswile (Texas) Flag of July 28 also contains some items of interest, although not so recent as the above.

Monterey Official Bulletin of July 19 states that Gen. Morero and abandoned the important point of Tampico and fled to the mountains, leaving the town in charge of only fifty men. Gen. Carvajal, with a large detachment of the ferces of Tampilpas, was to have marched on Tampico, while others pursued the retreating Gen. Moreno. Gov. Gazza had leit Matagarata and approximate the movements of the mores to superintend in person the movements of the Tamaulipas forces. The battery and assimulation which left here for Monterey was expected to arrive in time for Gen. Vidaurri to take the field in person on in time for Gen. Vidaurri to take the field in person on the Tth of this month, which he announces as his intention to do, at the head of the main body of the army of the North, so soon as these needed supplies shall have arrived at Monterey. Every step of the brave frontiersmen has been marked with a signal triumph thus far, and but little doubt is now entertained of their uitimate and speedy success.

Durango had fallen into the hands of the forces under the Governor of Chinuahua, who had declared for the Constitution of 1857. Guansjuato, Guadaljara and Zacatecas had also fallen into the hands of the Laberals, while the news of the abandonment of the City of Mexico, by the pretender Zuloaga had been confirmed.

A letter from Monterey, dated July 29, gives the following account of an alleged murder of an American physician, and subsequent robbery and forgery, in the State of San Luis, Mexico:

State of San Luis, Mexico:

"Dr. S. A. Butterfield, an American citizen from Dansville, Idinois (and whose father is Jaramish Butterfield, Venice, Ross Posi-Office, Hamilton County, Obio, according to an entry found in a memorandum book of J. M. Beber), died at Cedral, State of San Luis, about the 9th of June. The supposition is that the J. M. Beber above named, administered poison to said Dr. Butterfield, as he attended him as a medical man, and immediately on the death of Butterfield, took possession of all his money, bills and papers, despression from Cedral before the authorities were aware camping from Coord location the another was a way of the death. This Beber arrived here on the 13th, and forging Butterfield's name to a deposit receipt for \$2.080, obtained that amount from a merchant here to whom it was consigned for account of Butterfield. On whom it was consigned for account of Batterheid. On obtaining possession of the money, his first move was to empley persons to buy up gold for him, regardless of price—paying as high as \$20 for Mexican ounces, the real value being \$10. In the mean time at xxorto came on for Beher, from Cedral, and he is in prison here. So far we have established against him forgery and others, and only wait the result of a past north as So far we have established against him lorgery and robbery, and only wait the result of a post mortem at Cedrai to establish—if suon be the fact—the additional crime of murder. We have so far recovered of Beber, for the heirs of the unfortunate Dr. Butterfield, \$564 in gold, and two houses in Salinas, which Beber had bought, paying a deposit of \$480, in all \$1,044. In addition there are some animals viz: two horses and a mule, for which the Government will pay, and a large case of surgical and deptal instruments." case of surgical and dental instruments

A SUPERIOR RAILROAD BRIDGE.

THE NORTHERN CENTRAL CROSSING OF

THE SUSQUEHANNA. A creditable work has been done by the Northern Central Railway Company, in the construction of a railroad bridge across the Susquehanna River at Dauphin, nine miles above Harrisburg. The bridge was opened for traffic on the 31st March last. We have the following interesting particulars of the character. dimensions, and mode of its construction, which would ndicate that it is one of the most superior and extensive structures of its kind and class in the country:

"The total length of the bridge is 3,844 feet, divided into nineteen spans—seventeen spans of 210] feet each, one of 112] feet, and one of 153 feet. The hight of the truss is 30; feet, width of bridge from out to out. 214 feet. Total quantity of timber, 2,321.894 feet board measure; of which 1,801,720 feet are white pine, and 520,084 white oak; the total number of pieces of timber, 316,204, equal to about sixty miles in length. Total quantity of iron is 336,164 lb, of which 211,272 lb are wrought and 144,892 lb are east iron; total number of pieces of iron is 91,837, of which 30,796 are wrought from and 61,041 east iron. The lineal feet of wrought iron rods and bolts are 86,786, equal to sixteen and shalf miles.

"The bridge is after the plan of "McCallum's inflexible arched truss." The track runs nine feet above The total length of the bridge is 3.811 feet, divided

"The bridge is after the plan of "McCallum's inflexible arched truss." The track runs nine feet above the lewer cherd. The structure was commenced on the 28th day of March, 1858, naving been but 370 days, or 320 working days, in process of construction. It stands on measure piers of macoury, directly over the falls in the Susquenanna, which rendered the process of raising one of unusual difficulty and har rd, especially as a large portion of the raising was done in Winter. The contract was executed by McCallum, Saymour & Hawley, bridge builders, New-York, the work proceeding under the suspices of A. B. Warford, Chief Engineer of the Company, and P. P. Dickinson, or gineer in charge, under whose more immediate supervision the work was done. From the beginning the work was conducted with energy and skill by all parties engaged, and considering the season of the year through which it was driven, it has been attended with a fair share of good fortune.

through which it was driven, it has been attended with a fair share of good fortune.

"This bridge illustrates the advantage resulting to railroad companies from the adoption of the most approved form of structures on their roads. On other lengthy railroad bridges, built of timber, the trains are compelled generally to run at the slowest rate of speed, and men are often to be seen upon them eagaged in the business of adjustment or repair, whereas in the case of the McCallam bridge at Dauphin, the structure is not noticed in the time-tables, and trains dash over it at undiminished speed without danger or damage to the structure.

three cases, which now occur to our recollection, three cases, which new occur to our recollection, where insufficient bridges have braken down and precipitated the traits into the guif below. It is believed that large numbers of the bridges now in use are of doubtful capacity; indeed, it is known that many are sided by false work and other adventurous contrivances, which infer the weakness of the structures. Under such circumstances the public are likely to become a little nervous, and demand of railcost companies the adoption of structures absolutely safe. Such a course by the companies would undoubtedly conform to true economy. Such is the risk to property and life arising from deficient bridges, that it is difficult to suppose that any company should veature to build a poor bridge with a view of saving money.

[Battimere Sun.

THE VICTORIA BRIDGE.

The Work for the construction of this notice edifice is now rapidly proceeding, and we had an opportunity a few days ago of examining not only the completed parts of the structure, but also the operations which are taking place on the dame and piers which are not yet finished. We first proceeded over the animent on the north shore to the tubes which are already placed acress the two first spans of the bridge. The work of the riviting of the places was going on, and the structure rang with the classor of hammers forming the heads of the boils. A large number of portable forges were stationed in all parts of the tube, and on the top of it, and rivets bested in the first were supplied to the working to see the speed with which from—a material hardly known a few years ago in the arts of construction—can be formed into edifices adapted to the purposes of man. This speed is much facilitated by the circumstance that all the parts of the tubes are multiplications of the same patierns. The bridge will consist of twenty-four piers, with twenty-five openings or spans—the center about balf as large again as the others. These spenings are covered by a tube, or rather by a series of tubes of boiler plate, separated from each other at the ends, and strengthened by angle iron. An article like this is not the place for an account of the reasons which make the tubular form of materials stronger than any other arrangement of them; but we may remark that if the four plates which form the four sides of the tube were laid one upon another, the thickness of the wole would not exceed about two and a half inches, and would not exceed about two and a half inches, and would not exceed about two and a half inches, and would not apport a fidich part of the load which may be safely carried over the tubes. It needs no engineering nor mecoanical knowledge to be able to understand that hardly any accumulated thicknesses of such a material laid in a flat shape over an opening between 200 feet and 300 feet wice, would support the huadreds of ton From The Montreal Transcript, day, 11.

of a ra-lway train resting on the middle of it.

The plates throughout the tubes are double; boltad to angle iron beams and girders; and always overlapto angle iron beams and girders; and always overlapping each other at the ends. For further security,
each joint has placed over it, on each side of the
plates, an extra sheet botted on both sides of the joint,
and called a covering plate. The object of all these
precautions is to make the tubes resemble as much as
possible similar tubes made of one piece of metal.

Many very delicate considerations have to be attended to by the engineer who adopts this tubular
mode of construction, in order to give his roadway
the greatest strength, with the least weight and cost.
The condition upon which the attainments of this end

the greatest strength, with the least weight and cost. The condition upon which the attainments of this end depends is, that the relative strain upon each inch of the surface should be known, and the strength of the metal at that place proportioned to the stress. It is impossible here to give any idea of the data upon which these calculations are made. The result, how which these calculations are made. The result, however, is that the hardest duty must be done by the metal situated at the ends of the tubes and accordingly this part is strengthened by a considerable addition to the ordinary number of transverse supports of angle iron. Asto the plates themselves, the same kind of calculations have determined that those in the bottom and top of the tube should be thinnest at the end and thickest in the middle of the length, while this and thickest in the middle of the length, while this order is reversed at the sides, and the greatest thickness of plate is used at the ends. The sentences immediately foregoing will prepare the reader for the information that every sheet of iron, and every angle iron upright or guider has its place in the edifice marked with the greatest accuracy before it is shipped at Liverpool, and that, upon arriving on the bank of the St. Lawrence, it must not vary half an inch from the position for which it was destined. But, perhaps, it will excite wonder at the immense forethought, labor and attention to details, which are necessary for such perfect and long-before-hand adjustment, when labor and attention to details, which are necessary for such perfect and long-before-hand adjustment, when we state that it is necessary to determine the position of 2,500 different pieces of iron in each of the smaller tubes, or of 62,700 pieces in the whole bridge. This is like numbering the bricks of a house, and never putting one in the wrong place. The rivets used in each tube amount in number to 80,000, or to more than 2,000,000 in the entire structure, and, reckoming the beact as generate pieces of iron, we shall have

each tube amount in number to 80,000, or to more than 2,000 000 in the entire structure, and, reckoning the heads as separate pieces of iron, we shall have more than 7,000,000 of distinct pieces of metal put together to form the tubular roadway.

The expansion and contraction of metal is another circumstance requiring the attention of the architect in iron. Every one is of course aware of this phenomenon, but perhaps it may be a novel reflection to many that the vest structure poised so high in the air above the St. Lawrence, and apparently so firmly fixed, is yet going through constant and not inconsiderable charges of dimensions and even of forms, and that instead of its parts being rigidly fastened to their places, the metallic roadway is in fact disenged from the stone piers in order to allow the tube to stretch theelf on its bed, as our readers are doubtless accustomed to do on theirs. The principal phenomena of expansion and contraction in these tubes are two. The first is chiefly in the length, which varies in a summer day some inch and a-ball for each tube covering a single opening, and between summer and winter varies about three and a-ball for each tube covering a single opening, and between summer and winter varies about three and a-ball for each tube covering a single opening, and between summer and winter varies about three and a-ball for each tube covering a single opening, and between summer and winter varies about three and a-half inches. The other is a change in form, arising from the fact that the upper floor of the tube is exposed to the sun's rays, while the lower one is in the shade. The consequence is a greater long thening of the upper than of the under plates, and a certain fleature of the tube. Such changes, if operating on a mass of iron about two miles long, would be, of course, very difficult to manage. The mode of providing against its inconveniences, therefore, is to divide the whole length of the roadway into thirteen tubes,—one over the large central area 330 feet long, and six on each side of it, each formed of two tubes, and each covering side of it, each formed of two tubes, and each covering two of the smaller openings or spans of 220 feet. The two tubes thus made into one, thorefore, rest upon three pers, across one and resting by the two ends on two others. The united tube is firmly bolted down to the pier, which supports it in the middle: but the ends rest upon rollers, so that when they are prolonged by expansion the movement takes place without any re-sistance. The ends of the tubes at the piers where they rest on rollers, are of course, not in centact. There is a space of about a foot between them for any

play arising from the cause already described.

The weight of iron in the tube, over each of the
smaller openings, is 300 tups, and over the larger one
900 tuns. Thus the weight of iron in the bridge will

be about \$1,000 tuns.

The progress made in laying the tubes this year has been considerable. Four spans are already covered—two on each side—and from this time to the end of the two on each side—and from this time to the end of the working reason, it is expected that two more will be completed each fortnight, making twelve before the setting in of the Winter. The setting in of the severe reason of our Canadian year will er course retard such a work, but will not entirely stop it, and tube laying will be continued in spite of frost, and wind, and rain and snow. Before leaving the tubes we saw a steam-riviting machine which, though it cannot accomplish all the work in that line owing to the difficulty in moving it, fastens a great many plates before they are put up in their places. It consists of a large steam cylinder having, a piston on the projecting end of which, are a number of dies in the shapes of rivet heads. The plates, with the rivet placed in the proper holes, being then presented to these dies the steam is allowed to enter the cylinder, and at once forces the dies against the rivets till they are pushed

forces the dies against the rivets till they are pushed through the holes and clinched.

Descending from the upper works of the bridge, we Decembing from the upper works of the bridge, we next took boat for the piers. Of these there are seven completed on each side; two are rapidly approaching completion, and two are just on the point of being begins. It is expected that, unless some unforescen event takes place, all the piers but one will be finished during the present year, or at least advanced so far as to permit of the work proceeding during the Winter. At piers No. 10 and 17, we witnessed all the processes employed, from the commencement of the day to the laying of the masoury. Of course the first thing to be done is to make a puddled dam round the place intended for the foundation of the pier, from the interior of which the water is to be pumped out, so that the masons may proceed with the foundations. The making and maintenance of the dam is, therefore, the chief difficulty of the engineer. The piles are driven into the ordinary bottom of the river; but the foundation of the stone work is several feet below, and the consequence is that the excagineer of the Company, and P. P. Dickinson, gineer in charge, under whose more immediate survision the work was done. From the beginning the season of the year rough which it was driven, it has been attended with air share of good fortune. This bridge illustrates the advantage resulting to hose dompanies from the adoption of the most approach form of structures on their roads. On other giby railroad bridges, built of timber, the trains are mpelled generally to run at the slowest rate of seed, and men are often to be seen upon them easied in the business of adjustment or repair, whereas the case of the McCallam bridge at Dauphin, the ucture is not noticed in the time-tables, and trains the over it at undiminished speed without danger or mage to the structure.

hifted from their original (what was their eriginal!)
resting place. We saw one of twenty time weight
which had been brought up from se many feet below
the surface of the river. Occasionally the break which had been brought up from as many feet below which had been brought up from as many feet below the surface of the river. Occasionally the break in the dam exhibits strange freaks. The water will sometimes rise up like a fountain in the center of the space marked out for the foundation, and it will require many hours of research to find the weak spot whence it has entered. The enemy, however, has to be traced, and, once found, the ingenity and patience of the engineer son conquest. Speed is a matter of considerable importance in the construction of works subject to so many accidents a piers built within dame. Hence, the workmen are employed in gargs, night and day, the light being afforded by a lamp with an immense reflector. The stones for the piers have been supplied from the quarties belonging to the Grand Trunk Company at Point Clairs and from another quarry on the Robelleu. The scone from the letter is brought down by the St. Lawrence and Champain Railway. We have to thank for the contractors, and his able lieutenant, Mr. A kman, for the kindness with which they efforded as all the explanations necessary to enable us to understand the works which we saw going on. They are entitled to congratulations on the success with which they include the self-matter and on a river presenting so many difficulties. to congratuations on the success advisors labors, in the base begun and prosecuted their ardnous labors, in the climate and on a river presenting so many difficulties They expect to finish the entire work with the end of the year 1859, and they will then have creeted per-haps the most remarkable specimen of postne archi-tecture which the world has yet seen.

IRON MOUNTAIN.

From The St. Louis Republican.

The Iron Mountain of Missouri is probably one of the greatest natural curiosities on the surface of on globe. Think of a mammillary formed mound or mountain of iron three miles in circumference, rising in the form of a cone or pyramid, three hundred foet in the form of a cone or pyramid, three hundred feet high above the surrounding valleys—a great mass of the richest speculiar iron known, wedged in between a country formed of magnesian limestone on the one side, and porphyritic granite on the other. Where did this great mountain of iron come fron ! was it formed in the iron age of our globe! and when did the iron age have its commencement and end! Let us take the lignes that the science of the rocks has revealed, and go back with the geologists in the early ages of the Iron Mountain region. Geologists say that the rock on the west side of the mountain belongs to the lower silurian limestone era. The boring of Belcher's Artegian Well, tells us that this same bed of rock which forms the surface of the country on the west side of the mountain, is in the well 2,000 feet below the bed of the Mississippi Riyer, a dip of 2,800 feet from the mountain to St. River, a dip of 2800 feet from the mountain to St.

Louis. Geologists say that this dip was necessary to
form the great basics which contain coal in the central part of Hilmois. On the east side of the mountain
a granite country is found. Is this granite older or
newer than limestone? and is the mountain of that same age as the granite? These are questions that present themselves in the study of this great Iron Center. The Iron Mountain is the period or tarminus of what is known as the Ozark Mountains, a range of of what is known as the Ozark Mountains, a range of grante ridges and table lands that reach through Missouri, Arkanas and the Indian country to the Rocky Mountains. One fact may be kept in view in the study of the age of the Iron Mountain. It is found that fall the developments in the vegetable or mineral kingdoms on our globe have been corresponding to the wants of animal organisms that existed at the same era. In the time of the martodon and huge saurian dynasties, the vegetation was of a corresponding gigantic growth, the atmosphere was also suited to that class of animal life. Reasoning from this analogy, we might conclude that the Iron was also accreepending grants growth the amaspare was also suited to that class of animal life. Reasoning from this analogy, we might conclude that the Iron Mountain was formed at a comparatively recent geological epoch, as it was evidently formed to supply with iron the wants of the present race of man, and there was no necessity for its existence urtil man was in a position to ure it. Let us go back to the age of our globe when commenced the era of the silurian system of rocks. The district where now stands the Iron Menntain was at that period a tabular mass of stratified rocks in the bed of an ancient ocean. No valley, ridge or mountain had yet come into existence. The beautiful system of physical geography, the abrasion of valleys in the solid rock, the fountain from which now break out a thousand springs in this iron-district, were yet in embryo. But this tabular mass of rock in the bed of this ocean is not always to remain in repose. The elevating and abrading forces, the great working-laws of nature are to act. This region of country is placed under their influence—and selently and quietly, placed under their influence—and silently and quietly, stratified rocks are raised, granite ridges come to-day above the surface of this ocean. Meteoric forces, con-rected with the sun and every planet in our solar sysrected with the sun and every planet in our solar system are in action—we might say that electricity and its active partner, magnetism, are prime agents—age after age rolls round. The Devontan system of rocks is formed. The wenderful are of the formation of the coal bearing rocks and the growth of the vegetation entombed in our coal fields has its comment and end, following this comes the tertiary era with its mastodors and huge sauran monsters—after them the aborigines and then the present race of man. Let us lock again. The horizantal table of rock of the silurian era in the bad of that ancient ocean is now the Iron Mountain region modeled by the great working laws of Nature to one of the most interesting mineral centers on the surface of our globe. The task of the geologist for coming ages will be to trace out by observation the charges through which this country has passed, and map out and mark down in each era spoken of, the charges of the Iron Mountain from the silurian era down to the present time. lurian era down to the present time POLITICAL.

MINNESOTA. - The attempt of the bogus Democrats in the Minnesota Legislature to force an election of a United States Senator in the place of Gen. Shields, at this sersion, was defeated in the lower House on Tues day of last week. Gen. Shields's term does not expire till a year from the 4th of next March, and the only motive the Democrats can have to elect his successnow is, the very reasonable fear that the Republicans will have a majority in the next Legislature, and thus send to the Federal Senate a good Republican.

ILLINOIS,-The Hon. Elihu B. Washburne has benominated for reelection to Congress by the Republicans of the Ist. (Galena) District, receiving on the first regular ballot of the Nominating Convention 58 votes to 33 for Mr. Ferry. The Douglas Democrats of the VIIth. (Egyptiae) have nominated James C. Robinson. Aaron Shaw, the present member, was not a candidate or reelection. The Republican candidate is Mr. R. J. Oglesby, and P. B. Shepard is the candidate of th Administration.

OHIO .- The Republicans of the IVth Congressional District have nominated the Hon. M. H. Nichols for

KANSAS. - The Leavenworth Times of the 9th inst. rives the following as the result of the election on Lecompton Jr., as far as heard from:

We have returns, says The Times, of seven countie

entire, and portions of six counties. There are 36 counties in the Territory. All right! Our majority will increase every mail.

The same paper has the following:

"Oxyone.—Glorious Oxford! Like Kickapoo it boated a vote, in other days, of thousands. Now—only think of it! Now, mighty Oxford—gigantic Oxford, polis only—29 votes all teld! Nor is this all. It has only three Pro-Slavery majority! Where are the Border Ruffians! Where, on! where the unseen, spiritual friends of Oxford and Kickapoo!"

FREE SUFFRAGE CONVENTION.

Whereas, A State Society was formed in the City of roy, Sept. 5, 1355, known as the Free Suffrage Associate State of New York; And whereas, The constitution of the said society declares that

here shall be an annual meeting held in every September, by the reer and direction of the President and Board of Managers or mid Society, who shall be elected summally for the ensuing year and all officers for the ensuing year;
Therefore I, William J. Hodges, President of said Society, with

the advice and consent of the Board of Managers of said Society, to order and decree that there shall be a State Convention of a coored men of the State of New York held in the City of Troy, on Tuesday, the 14th day of September, 1850, at 10 o'clock a m. to appoint or elect officers for the ensuing year, and to do such other business as that body may determine.

And we do further order and recommend to all cities, villages,

tewns, neighborhoods, churches and societies of colored men in this State to call public meetings, and then and there elect or appoint such suitable delegates to represent them in the State Convention, in the City of Troy, seconding to the above notice.

Will Frederick Douglass's Paper and all other papers friendly to Freedom and Free Suffrage please insert this in their columns, and they will oblige. WILLIAM J. HODGES, President.

PETER H. MILLER, Secretary

On Thursday morning the inquest on the body of Serah Ann Sennott, who was supposed to have been killed by her husband, was concluded. The Jury, after five minutes' deliberation, returned a verdict of "marslaughter" against Patterson, who has been Court of Queen's Beach. Montresi paper.

LETTERS FROM THE PEOPLE

THE CONNECTICUT BOUNDARY DISPUTE.

To the Editor of The N. V. Tribuna Sin: A letter in THE TRIBUNE, Aug 6, from Mr. Julius B. Curtiss, a member. I believe, of the isst Connecticut Legislature, purporting to reply to my communication published July 17, is, in great part, taken up with quotations from the reports of the New-York Commissioners, showing that for a distance of about thirty miles from Long Island Sound, boundary lines had been substantially ascertained. Quotation from any other document would have been equally pertinent to the questions at issue; for the assertion put forth by the Connectiont Legislature that a bounput forth by the Connection Legislans and a solution dary line had been run, and afterward repudiated by the New York Commissioners, was understood to relate solely to the workers section of the dividing line, which all ne is in any serious cispute. My decast that any such line had been run, certainly referred to that part of the line only. If, however, the Legislature and the line only. If, however, the Legislature part of the line only. If, however, the Legislature meant to say that a boundary line had been run the entire distance between the States, the assertion is equally untrue, and my denial is not invanidated in the least by the acknowledgement that such lines had been triced a part of the way.

Concerning the only section of the boundary really in controversy, Mr. C. argues that the straight line laid down from end to end of the section by the Eugineer could not have been an "experimental" line, as I called it, because it was ascertained by means of a prior random line, and therefore must have been

as I cared it. Decades and therefore must have been fixed as a boundary. This novel doutrine in engineering reeds no refutation; but I would like to know how, in this case. Mr. C. disposes of the traditionary, he would like to know how, in this case. now, in this case, Mr. C. displaces of the transflorary, or, as we claim, the true boundary line, which was also marked at the same time, in the same manner, and by the same means as the straight line. Were two boundaries then established? The duty of the Engineer was to furnish the Commissioners with information as surveys would afford for their gui Ergineer was to furnish the Commissioners with such information as surveys would afford for their guidance in determining the true location of the dividing line; but he could himself no more establish a boundary than organize a new State. The only Commissioner present upon the survey of the line referred to was so well establish the survey of the line referred to was so well establish that the boundary was never straight, that his first commissioner has never straight, that his first commissioner to his coolingues or to the Connecticut Commissioners after that survey was begun was to the effect that further examination would be requisite. From that time to this, no Commissioner from New-York has ever admitted or pretended that the straight line ever was or could have been fixed as the boundary by any authority whatsoever. They certainly had the best opportunity of knowing their own opinions. How then shall be characterized Mr. C. a statement. That it was not until after the disbanding of the surveying party that the Commissioners of New York made the important discovery that the Joint Commission had exceeded its powers. I is the charge that the New York Commissioners agreed to a line which they after was depulsated any better than a liber. In reply to my denial that any meeting was held for a settlement of the joint accounts, Mr. C. shows that the New-York Commissioners urgently desired since a settlement, and expecually at a certain meeting with their Connecticut associates. Yes, they did by every means in their power endeavor to procure such a settlement, but it was never granted. The meeting alliaced to was held for other purposes, and the Connecticut men refused utterly to allow any discussion or alliasion to pecunizary affairs. Concerning it, they reported to their Legislature that the New-York Com-

ded to was held for other purposes, and the Concecticut men refused utterly to allow any discussion or
allusion to pecunisry affairs. Concerning it, they reported to their Legislature that the New York Commissioners then "made a demand having no bearing
"whatever upon the jurisdictional line which we de
"clied to entertain until the work was finished.

Mr. Curties also con uses this off-repeated request
of an examination of the loint accounts, with a demand of an equal division of the engineer's compensation, and says it was made a condition to the settle-

of an examination of the joint accounts, with a demand of an equal division of the engineer's compensation, and says it was made a condition to the settlement of the boundary. This is a great mistake. The New York Commissioners never were accorded an opportunity either to insist upon such a division or to inform the Connecticut men upon what terms they were willing to adjust the joint expense, because as the report of the Connecticut Commissioners themselves shows, they refused to entertain the subject at all until monuments should have been set upon the line where they were determined to have it established. True, the Engineer had performed all the operations which Mr. Curties styles the work of "the joint commission," and it was reasonable to suppose that his compensation was a "joint expense;" but this is the only reason for all that has been said in Connecticut about the unfair demands of the New-York Commissioners respecting the Engineer's pay. No such demands were ever made. There never was a chance to make them. Even the demand of an examination was never made as a condition to anything. Mr. C. says "that a demand was made for a settlement of "accounts independent of all other considerations, as "one of the centitions of a settlement of the boundary "question." The clause in italics is quoted from the New-York Commissioners, and should have been so "question." The clause in italics is quoted from the New-York Commissioners, and should have been so marked. The contradictory clause following it is his

marked. The contradictory charge to be a consequence of disagreements respecting the joint expense of the survey that
no line has been established, finds no support in any
of the records or correspondence of the Commission
ers, unless the utter retusal of the Connecticut Commissioners to consider any subject connected with those
expenses until after the adoption of an impossible
line, and their puerile attempt in that way to extort an
improper settlement can be called such a disagreement.
There were other topics introduced in my former
communication.

I charged the Connecticut Legislature with having published that the New-York Commissioners had not within the past year requested the Connecticut Com-missioners to proceed to the settlement of the line, notwithstanding the fact that such requests had re-peatedly been made.

I charged that while the State of Connecticut up-

held its Commissioners in refusing to establish the boundary where it has always been located, no lawyer or public men of that State would seriously claim that any other location was either legal or just. I charged and still charge the State of Connecticut

I charged and still charge the State of Connecticut with owing a portion of its just share of the joint expenses already incurred, beyond all contingency of dispute, which debt it consents neither to pay, acknowledge nor investigate. There are now on its at Albany vouchers for personal expenses of the Connecticut Commissioners, paid out of the New York State Treasury, and two separate Legislatures of Connecticut have been cognizant of that fact, but have approved of the refusal to settle these and other bills. I charged the State of Connecticut with upholding its Commissioners in an utter disregard and neglect of the reasonable requests and courteous communications of the New York Commissioners, and with misstating to the world the cause of the difficulty between the States.

none of these charges Mr. Curtiss, conversant

To none of these charges Mr. Curtiss, conversant with the facts, makes any allusion:
But, says Mr. C., the Committee designed "to pre"vent a quariel between Commissioners from becoming a quariel between the States." Too late, Sir.
There is no quariel between Commissioners. There
has been none for many months. It takes two parties
to quariel. When the New-York Commissioners, in
January, 1857, refused to be drawn into the discussion January, 1857, refused to be drawn into the discussion of any "personal or irrelevant matters," the Connecticut Commissioners refused to discuss any matters at all. Since that time there has been nothing but request, proposition and solicitation on our side, and perfect silence and inaction on theirs. So long as the Connecticut Commissioners had a legal existence, no newspaper communication on this subject eminated from any member of the New-York Commission, to my knowledge. Of the character of their official communications let candid men judge from the documents themselves. But now the State of Connecticut has assumed the responsibility of its late Commission. ments themselves. But now the State of Connection has assumed the responsibility of its late Commission ere acts. My "quarrel" is with the State, and claim the right to call upon it to correct its fals record. The question now for that State is whether it shall act candidly and justly—not whether the New-York Commissioners have or have not been inconsistent in their action. When by its acts it shall have proved them unwarranted, I will gladly apologize for any "flings" I have "indulged in," impugning its magnanimity. For the present, I have this suggestion to make: It is worse to be mean than to be charged with meanness. Of the New York Commissioners two at least would have long ago reeigned their thanklers office had they not been advised by those in authority that to reeign would be to desert a poet of duty and to abandon rights which they were bound to defend. The abrogation by Connecticut of the compact under which they acted virtually releases them from their disagreeable position. But since Mr. Curties seeks to hold them responsible for the failure to settle the dispute, will be say that they could, at shall act candidly and justly-not whether the New Curtiss seeks to hold them responsible for the failure to settle the dispute, will be say that they could, at any time, have effected even a pretended sattlement except by consenting to a boundary where none had ever been before, transferring lands and people from New-York to Connection! Will be say that such a line would have been proper for them to agree to!

Since he charges a disagreement upon peruniary matters as the reason of all the trouble, will be say that they ever had an opportunity to participate in an agreement upon these matters, on any terms shatter, unless they should first have consented to this supposed boundary!

Will be deny that propositions for settlement have repeatedly been made by them, which have remained

repeatedly been made by them, which have remained for eighteen months unnoticed and unreplied to? Will be ray that those propositions, as published in the New-York reports, contained anything which he

had he been sole Commussioner for Connecticut, would have considered unfair or disrespectful, or which he would not have been willing to accede to? Will be say that these propositions did not meet all

the most essential points of a proper settlement of he To the law and to the testimony Wall at, Aug. 2, 1856. SAM SAMUEL D. BACKDE

HIGH WATER OF THE LAKER

THE CAUSES OF THE DIFFERENCE OF LEIE, to the Easter of The N. Y. Tribune, SIR: I read in THE THISCNE the paper by the Allen of Black Rock on this subject with much atte Allen of Black Rock.

est. I was happy to find in it more good success
discrimination than always apears on this topic area. of the guesses, suppositions and imaginings with

of the guesses, suppositions and imagines of the abound. Long since I learned on such about to rely alone on actual measures—reliable states.

The constant statement has been for wearthy Loke Ontario is unusually high, or about to be a control of the back both and hear known, as some and Lake Ontario is unusually high, or about two higher than had been knowe, as some said both widest inhabitants, man or it in. This hast I be to be take by a certain well known mark. But at the Lake might still be higher than usual I wate the light-house at the mouth of the General keeper is required by Government to record the recitations of the level of the lake. But turned to the record, and the lake is recreated that in October, 1857, the highest before known above years.

sieven years.

The measures have been regularly taken, and is the eleven years past I have published them. To conclusions derived from them and from metaorological observations are, that the fluctuations of the level is pend on the quantity of water poured into the latest all the streams which carry off the rain and committed snow, and upon the amount of evaporation. These are adequate causes, and these are at least great facts.

great facts.

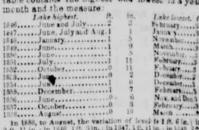
There is no regular time of rise or fall in the lates, no periodical changes of five, or seven or teres

Lake Ontario is high or low when or soon the to same fact in Lake Eine, and the fluctuations are the equal, as they are in Lake Micrigan. Col. White sey's measures of Lake Eich have been compared to those of Lake Octavio, all high or low war. To obvious effect of high winds continued to it

inthority in either case.

That you and your readers may have the fage to ollowing table is given. The difference in the less a very rarely four feet in a year, when the waster

The measures are taken from a fixed polatorer downward; when the lake is lower the measure greater, and when higher the measure is less. It table contains the highest and lowest in a year,



1888, to August, the variation of level is 1 ft. 6 iz. ; is m. 11 in. ; in 1846, 1 ft. Sin. ; in 1847, 1 ft. 11 in. ; in 1848, 2 ft. 12 There is no regular period of rise and fall. The highest is sometimes in January or December, by commonly in the Summer months; the lovest in the colder menths. The range in the table is 4 ft. 6 in

colder mouths. The range in the table is 4 ft 6a, the lowest in February, 1857, 3 ft, 8 in., and the highest in August, 1858, 6 ft, 10 in.

The high water of December, 1857, and the large fall of rain, led me to publish last January, the probability of continued high water, and the great rains of the West, and of Onio and New York, have continued the real and increased it to the present time. the rise, and increased it to the present ine.

As I wrote at once to Mr. Allen the true haint of
Lake Ontario, he desired me to make the correction
and send to you for publication.

If Lake Erie is two feet bigher than last year, Lake

Ontario will rise still higher, so free is the discha-from the former by Nisgara River into the latter. The Lakes seem to be under very singular laws, a discovery very difficult of reception and belief by matriandes.

C. Dawar.

University of Rocketter, Aug. 11, 1836.

PECUNIARY DISTRESS AT THE WEST.

To the Editor of The N. Y. Tribune.

Sin: Having for a long time been a subscriber sad reader of THE TRIBUNE. I have come to consider it as a true friend, whose arrival I always expect with a certain anxiety, and whose counsels I usually accept and follow. This being the case, you will not that ! strange that I should now wish to ask your stries, and perhaps assistance, in a matter of consider importance to myself and others; and I rely upon your kind indulgance to forgive the trouble I bersh may cause you. I came here to New-York a few days ago, princis

paily for the purpose to ascertain whether or not it would be possible to find some capitalists who would loan money on long time-say three to five years-and reasonable interest, and take in security good improved real estate in Northern Iows and Southern Minnesota. I reside in Iowa, near the Minnesota line, in St. Anegar, Mitchell County, one of the many young, flourishing towns in the beautiful Cedar Valley; and I can say with truth that this portion of lows and Minnesota is not surpassed in hea tafa'ness, fertility and beauty. In a few years, the whole country had turned from a wilderness into rapidly-growing settlenone were afraid to expend all their means in improving their property, sure that they would soon have railroad communications with the North, East and South, and good markets for their surplus produce. Farmers thought it no speculation, but simply good thrifty policy, to extend their improvements as made as porsible, so as to be prepared for the still better times so confidently expected. But the crash case, without any warning whistle! The merchants sees called upon for the still property and couled upon the called upon for money—they again called upon the farmers, and so on. What hitle money there was let-after the public land sales had gone East, and still the merchants and farmers were not out of debt. The black cloud of commercial distress and distress en-veloped our portion of the country with the remainder, and, at least temporarily, darkened our splendid pro-

pects for the future.

veloped cur portion of the country with the remainers, and, at least temporarily, darkened our spleadid prospects for the future.

Bo things have gone on. There is scarcely any money lets in our portion of the country, and it is divery little benefit to a man to have ever so much to sell if he must have money, for money he cannot get unless perhaps he will sell for one-third or one-fourth the value of the article. There are a few who least money on 50 or 90 days, and for 40 up to 100 per cent., on first-rate security; but if people shrink from borrowing money on such terms—and well may they shrink from it—then there is only one alternative, to let their property be sold at public sale for what it may bring; and that will, in money, frequently be an over one-tenth of its real value.

Now, we saw in The Transier, and other Eutern papers, every week, that there was most enough here in New York, and that the rules of interest here were generally very low. It is true, that we also read about the general district the in gift after all be possible, if tried, to get teme capitalists to come out, or to send out agents, to examine the property we would give in security for the loans we night obtain; and we could not for a moment doubt but that they would be perfectly satisfied with the security, as soon as they really examined it, for its sonly small loans the farmers need and want to earry them through till better times; and it is but in a very few instances, if ever, that a farmer would willingly sell his bard-won home for ten times the amount be may wish to berrow on it. And so it was concluded that I hould come down here and try what could be done had some letterace introduction to gentlement well will treet. They each and all received me very kindly, assured me of their warmest wishes of success to my erdeavore, and each that they would glady assist mo all they could, &c., but they generally ended by sefaccurate me of their warmest wishes of success buy erdeavors, and said that they would glarly assist me all they could, &c., but they generally ended by sting that they must tell me as their candid opinions that making could be dow, principally on accessor the instability of our Weslern laws and scorifies. and size on account of the many gress frauds committed by some of the Western Radroad Companies and others, whereby Eastern creditors have great!

auffered.

I am very far from doubting the correctness of these statements, and can well understand and even sympathize with the feeling of distrust peculiar to the times, and I should probably have given up all hope of success and gone home, without farther troubling myself or others in this matter, if I had not gradually come to the conviction that the aforesaid distrust is carried too far, even to the verge of injustice. It is carried too far, even to the verge of injustice. It is carried too far, when whole classes who are perfectly innocent of any freud—e.g., the farmers generally—are involved in the general suspicion, and made to suffer for the fraude and rescalities committed by comparatively a very few scoundrels; and let it be remarked that while those few can scarcely ever is reached, and care but little about the distrust they have occasioned, it is on the laboring classes, the farmers, mechanics and country merchants, this distrust, with all its bitter consequences, falls with the most crushing severity. Neither is the assepting charge against Western securities quite just. The event of the comparatively small amounts of money, would be consecred unexceptionable, if viewed with a little concerned unexceptionable, if viewed with a little concerned unexceptionable, if viewed with a little concerned and contents of the concerned unexceptionable, if viewed with a little concerned unexceptionable, if viewed with a little concerned and contents of the concerned unexceptionable, if viewed with a little contents of the concerned unexceptionable, if viewed with a little contents of the concerned unexceptionable, if viewed with a little contents of the contents of I am very far from doubting the correctness of these